Abstract of the Disclosure

An automated video editing and indexing system is taught which has application for such tasks as creating a presentation for a video magazine and processing collections of video material in general. The system extracts text either from closed captions (CC) contained in the analog video presentation, or extracted from the voice contained in the presentation by voice-to-text techniques, time-stamps the CC text in text files according to position in the video presentation, and digitizes the video presentation. The text files and digitized video are sent to an editing station, where the CC text is analyzed using Natural Language Processing and other techniques to determine topic changes in the presentation. Keyframes are selected to represent the topic changes, and become thumbnails useful in indexing; indexing meaning marking the video material at points of topic changes, and in some cases jumping the video presentation to the positions represented by the thumbnails. In some cases selected CC text is associated with the thumbnails, and displayed in the video magazine as each thumbnail is selected by mouseover.